

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-103-02923 County Wetzel District Green  
Quad Porters Falls Pad Name Martin Field/Pool Name Mary  
Farm name Martin, Charles and Gwendo Well Number #3H  
Operator (as registered with the OOG) Stone Energy Corporation  
Address 1300 Fort Pierpont Dr. - Suite 201 City Morgantown State WV Zip 26508

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,384,807 Easting 520,081  
Landing Point of Curve Northing 4,384,891 Easting 519,740  
Bottom Hole Northing 4,386,139 Easting 518,911

Elevation (ft) 906 GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other  
Drilled with  Cable  Rotary

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Office of Oil and Gas  
MAR 13 2017  
WV Department of  
Environmental Protection

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
Saturated salt mud which includes Caustic Soda, Barite, Lime, New-Drill, Perma-Lose HT, Xan-Plex D, X-Cide 102, Soda Ash, and Sodium Chloride

Date permit issued 9/30/2013 Date drilling commenced 4/18/2014 Date drilling ceased 9/18/2014  
Date completion activities began Not Yet Completed Date completion activities ceased Not Yet Completed  
Verbal plugging (Y/N) N Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 128 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1,554 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 728 and 754 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

NAME: Sen M. [Signature]  
DATE: 5-25-17

Reviewed by: [Signature]

06/02/2017

API 47-103 - 02923 Farm name Martin, Charles and Gwendo Well number #3H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	20"	90'	New	LS - 94.1 ppf		N - GTS
Surface	17.5"	13.375"	894'	New	J55 - 54.5 ppf	116' & 197'	Y - CTS
Coal	17.5"	13.375"	894'	New	J55 - 54.5 ppf	116' & 197'	Y - CTS
Intermediate 1	12.25"	9.625"	2,269'	New	J55 - 36 ppf		Y - CTS
Intermediate 2							
Intermediate 3							
Production	8.75"	5.5"	12,097'	New	P110 - 20 ppf		N - TOC @ 1,313' Calculated
Tubing							
Packer type and depth set		TAM CAP Inflatable Packer on 9.625" Casing String @ 766'					

Comment Details Circulated 15.5 bbls cement to surface on 13.375" casing string. Circulated 33 bbls cement to surface on the 9.625" casing string. Did not circulate any cement to surface on the 5.5" casing string. TOC on 5.5" calculated to be @ 1,313'.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Type 1	34	15.6	1.18	40	Surface	24.0
Surface	HalCem Class "A"	670	15.6	1.22	817	Surface	8.0
Coal	HalCem Class "A"	670	15.6	1.22	817	Surface	8.0
Intermediate 1	Lead-10% Salt Tail -HalCem	Lead-400 Tail-400	Lead-15.6 Tail-15.6	Lead-1.24 Tail-1.21	Lead-496 Tail-484	Surface	12.0
Intermediate 2							
Intermediate 3							
Production	Lead-Tuned Spacer3 Tail-VariCem	Lead-178 Tail-2,270	Lead-14.5 Tail-15.2	Lead-2.37 Tail-1.20	Lead-422 Tail-2,724	1,313' Calculated	7.0
Tubing							

Drillers TD (ft) 12,036 MD / 6,514 TVD Loggers TD (ft) N/A  
 Deepest formation penetrated Marcellus Shale Plug back to (ft) \_\_\_\_\_  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) 5,611 MD / 5,597 TVD

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Surface casing had bow spring centralizers placed on joints 4, 8, 12 and 16. Intermediate casing had bow spring centralizers placed on joints 4, 8, 12, 16, 20, 24, 28 and 32.  
Production casing had rigid spiral centralizers placed on every fourth joint beginning with joint 12 to joint 232. Ran a total of 55 rigid spiral centralizers. Ran bow spring centralizers from joint 240 to joint 259 on every eighth joint. A total of 6 bow spring centralizers were run.

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_







Martin #3H  
 API 47-103-02923  
 Stone Energy Corporation  
 Horizontal

	Top (ft TVD)	Top (ft MD)	Bottom (ft TVD)	Bottom (ft MD)	
Sandstone & Shale	Surface		*	728	FW @ 128'
Coal	728		*	732	
Sandstone & Shale	732		*	754	
Coal	754		*	768	
Sandstone & Shale	768		*	1,883	SW @ 1,554
Little Lime	1,883		*	1,913	
Big Lime	1,913		*	2,013	
Big Injun	2,013		*	2,113	
Sandstone & Shale	2,113		*	2,477	
Berea Sandstone	2,477		*	2,507	
Shale	2,507		*	2,679	
Gordon	2,679		*	2,729	
Undiff Devonian Shale	2,729		*	5,411	5,423
Rhinestreet	5,411	5,423	~	6,132	6,199
Cashaqua	6,132	6,199	~	6,410	6,556
Middlesex	6,410	6,556	~	6,440	6,603
West River	6,440	6,603	~	6,500	6,709
Geneseo	6,500	6,709	~	6,513	6,734
Tully Limestone	6,513	6,734	~	6,545	6,804
Hamilton Shale	6,545	6,804	~	6,591	6,966
Marcellus	6,591	6,966	~	6,514	12,036
TD				6,514	12,036

\* From Pilot Hole Log and Driller's Log

~ From MWD Gamma Log